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=> b reg
FILE 'REGISTRY' ENTERED AT 08:26:30 ON 08 MAR 2006
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STRUCTURE FILE UPDATES:     7 MAR 2006  HIGHEST RN 876109-17-0
DICTIONARY FILE UPDATES:    7 MAR 2006  HIGHEST RN 876109-17-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from  *
* the IDE default display format and the ED field has been added,    *
* effective March 20, 2005.  A new display format, IDERL, is now     *
* available and contains the CA role and document type information.  *
*                                                                    *
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Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

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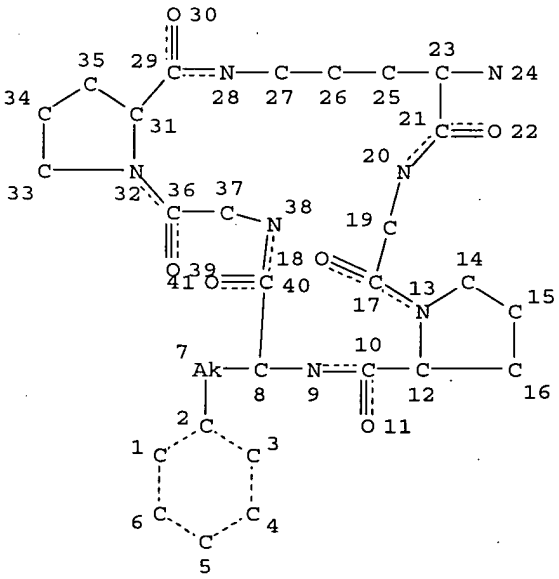

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DEFAULT ECLEVEL IS LIMITED

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NUMBER OF NODES IS 41

STEREO ATTRIBUTES: NONE
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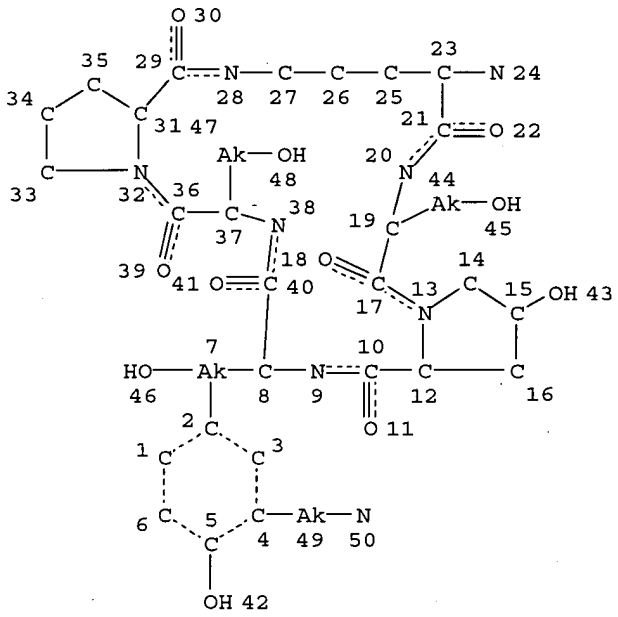

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CONNECT IS E3 RC AT 27
CONNECT IS M2 RC AT 50
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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 50

STEREO ATTRIBUTES: NONE
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SEARCH TIME: 00.00.01

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FILE COVERS 1907 - 8 Mar 2006 VOL 144 ISS 11
FILE LAST UPDATED: 7 Mar 2006 (20060307/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> => d all fhitstr hitrn l12 tot

L12 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:213956 HCAPLUS
DN 141:23332
ED Entered STN: 18 Mar 2004
TI Mannich reaction: an approach for the synthesis of water soluble mulundocandin analogues
AU Lal, Bansi; Gund, Vitthal Genbhau; Bhise, Nandu Baban; Gangopadhyay, Ashok Kumar
CS Quest Institute of LifeSciences, Nicholas Piramal India Limited, Mumbai, 4000 80, India
SO Bioorganic & Medicinal Chemistry (2004), 12(7), 1751-1768
CODEN: BMECEP; ISSN: 0968-0896
PB Elsevier Ltd.
DT Journal
LA English
CC 26-9 (Biomolecules and Their Synthetic Analogs)
Section cross-reference(s): 1, 10
OS CASREACT 141:23332
AB Semisynthetic modifications at the hydroxy tyrosine (HTyr) unit of mulundocandin were carried out to improve its aqueous solubility Mulundocandin is a lipopeptide isolated from Aspergillus sydowi. A single step introduction of substituted aminomethyl groups at the ortho position(s) of phenolic hydroxyl of HTyr unit of mulundocandin has been achieved in 7-85% yield. The in vitro screening of Mannich products against Candida albicans and Aspergillus fumigatus, retained the in vivo activity of parent by oral and i.p. route. One compound showed significant improvement in activity over mulundocandin and activity compares well with that of fluconazole.
ST mulundocandin prepn aq soly Mannich reaction aminomethylation; echinocandin mulundocandin prepn aq soly Mannich reaction aminomethylation; fungicide mulundocandin prepn aq soly Mannich reaction aminomethylation; antifungal mulundocandin prepn aq soly Mannich reaction aminomethylation; Candida mulundocandin prepn aq soly Mannich reaction aminomethylation; Aspergillus mulundocandin prepn aq soly Mannich reaction aminomethylation
IT Mannich bases
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(mulundocandin derivs.; preparation of water-soluble mulundocandin analogs using Mannich reaction and study of their antifungal activity)
IT Fungicides
Mannich reaction
Solubility
(preparation of water-soluble mulundocandin analogs using Mannich reaction and study of their antifungal activity)
IT Amines, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(secondary; preparation of water-soluble mulundocandin analogs using Mannich

reaction and study of their antifungal activity)

IT **321660-99-5P 321661-15-8P 321661-17-0P**
321661-19-2P 321661-20-5P 321661-21-6P
321661-23-8P 321661-24-9P 321661-28-3P
321661-30-7P 321661-33-0P 321661-34-1P
321661-44-3P 321661-45-4P 321661-46-5P
321745-46-4P 321745-50-0P 321745-54-4P
321745-60-2P 693827-53-1P **697758-53-5P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of water-soluble mulundocandin analogs using Mannich reaction and study of their antifungal activity)

IT 92-54-6, 1-Phenylpiperazine 100-51-6, Benzenemethanol, reactions 102-97-6, N-(1-Methylethyl)benzenemethanamine 110-89-4, Piperidine, reactions 123-75-1, Pyrrolidine, reactions 626-58-4, 4-Methylpiperidine 1008-91-9, 1-(4-Pyridinyl)piperazine 1011-15-0, 4-(2-Fluorophenyl)piperazine 2252-63-3, 1-(4-Fluorophenyl)piperazine 2759-28-6, 1-(Phenylmethyl)piperazine 3378-72-1, N-(1,1-Dimethylethyl)benzenemethanamine 4897-50-1, 1,4'-Bipiperidine 15532-75-9, 4-[3-(Trifluoromethyl)phenyl]piperazine 20980-22-7, 2-(1-Piperazinyl)pyrimidine 34803-66-2, 1-(2-Pyridinyl)piperazine 39512-50-0 39512-51-1, 1-(2-Methylphenyl)piperazine 39593-08-3, 1-(4-Methylphenyl)piperazine 69628-75-7, 1-(1-Phenylethyl)piperazine 108351-20-8, Mulundocandin 321660-97-3
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of water-soluble mulundocandin analogs using Mannich reaction and study of their antifungal activity)

IT 321660-96-2P 321745-36-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of water-soluble mulundocandin analogs using Mannich reaction and study of their antifungal activity)

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693827-54-2P 697758-50-2P **697758-51-3P**
697758-52-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of water-soluble mulundocandin analogs using Mannich reaction and study of their antifungal activity)

RE.CNT 60 THERE ARE 60 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

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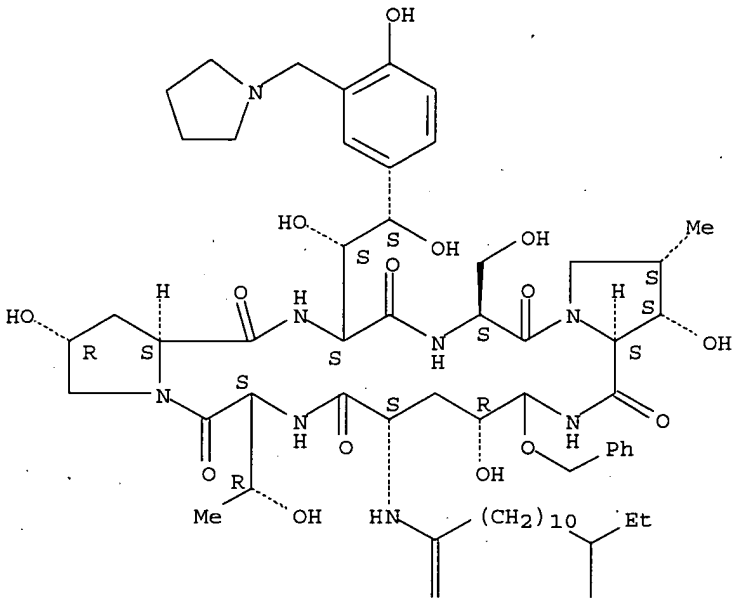
IT **321660-99-5P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of water-soluble mulundocandin analogs using Mannich reaction and study of their antifungal activity)

RN 321660-99-5 HCAPLUS

CN Mulundocandin, 1-[(4R)-4-hydroxy-N2-(12-methyl-1-oxotetradecyl)-5-(phenylmethoxy)-L-ornithine]-4-[(4S)-4-hydroxy-4-[4-hydroxy-3-(1-pyrrolidinylmethyl)phenyl]-L-threonine]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of water-soluble mulundocandin analogs using Mannich reaction and study of their antifungal activity)

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697758-52-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of water-soluble mulundocandin analogs using Mannich reaction and study of their antifungal activity)

L12 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2001:78409 HCAPLUS
DN 134:131818
ED Entered STN: 02 Feb 2001
TI Preparation of novel cyclohexapeptides based on mulundocandin for use as antifungal agents
IN Bansi, Lal; Vitthal, Genbhau Gund; Ashok, Kumar Gangopadhyay

PA Aventis Pharma Deutschland G.m.b.H., Germany
SO PCT Int. Appl., 67 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM C07K-0007/56
ICS A61K-0038/12; A61P-0031/10
CC 34-3 (Amino Acids, Peptides, and Proteins)
Section cross-reference(s): 1
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO2001007468	A2	20010201	2000WO-EP06769	20000715
WO2001007468	A3	20011108		
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA---2380176	AA	20010201	2000CA-2380176	20000715
EP---1204677	A2	20020515	2000EP-0953050	20000715
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JP2003505468	T2	20030212	2001JP-0512551	20000715
PRAI 1999EP-0114649	A	19990727		
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CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2001007468	ICM	C07K-0007/56
	ICS	A61K-0038/12; A61P-0031/10
	IPCI	C07K0007-56 [ICM,7]; A61K0038-12 [ICS,7]; A61P0031-10 [ICS,7]
	IPCR	A61K0038-00 [N,A]; A61K0038-00 [N,C]; C07K0007-00 [I,C]; C07K0007-56 [I,A]
	ECLA	C07K007/56
CA---2380176	IPCI	C07K0007-56 [ICM,7]; A61P0031-10 [ICS,7]; A61K0038-12 [ICS,7]
EP---1204677	IPCI	C07K0007-56 [ICM,6]; A61K0038-12 [ICS,6]; A61P0031-10 [ICS,6]
	IPCR	A61K0038-12 [I,A]; A61K0038-12 [I,C]; A61P0031-00 [I;C]; A61P0031-10 [I,A]; C07K0007-00 [I,C]; C07K0007-56 [I,A]
JP2003505468	IPCI	C07K0007-56 [ICM,7]; A61K0038-00 [ICS,7]; A61P0031-04 [ICS,7]

OS CASREACT 134:131818; MARPAT 134:131818
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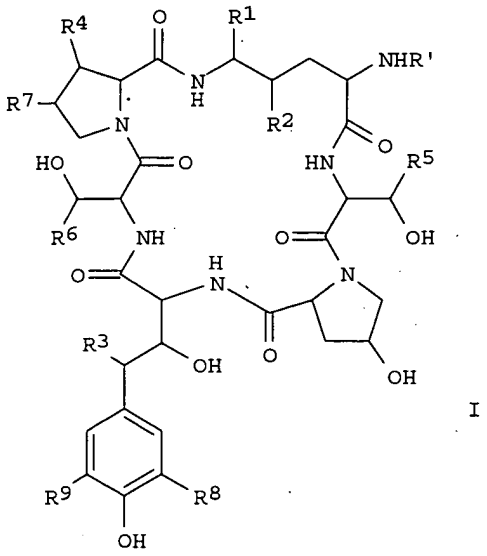

I

AB Cyclohexapeptides I [R' = alkyl, alkenyl, Ph, biphenyl, terphenyl, naphthyl, alkyl-, alkenyl-, or alkoxyphenyl, linoleoyl, palmitoyl, 12-methylmyristoyl, 10,12-dimethylmyristoyl, or COC6H4OC8H17-p; R1, R3 = OH, CN, CH2NH2, N3, (un)substituted aryl or heterocyclyl with 1-3 of the same or different heteroatoms, aminoalkylamino, (un)substituted alkoxy, etc.; R2, R4 = H, OH; R5 = H, Me; R6 = H, Me, CH2CONH2; R7 = H, Me, OH; R8, R9 = H or secondary aminomethyl] or their pharmaceutically acceptable salts were prepared for use as antifungal agents. Thus, mulundocandin underwent mono- and dibenzylation on treatment with benzyl alc. and a catalytic amount of p-toluenesulfonic acid in 1,4-dioxane. Ornithine-5-benzylmulundocandin underwent Mannich reaction with a various secondary amines.

ST mulundocandin based cyclohexapeptide prepn antifungal; peptide cyclohexa mulundocandin based prepn antifungal

IT Fungicides
(Mannich reaction of with mulundocandin derivative)

IT Peptides, preparation
RL: RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(cyclic; Mannich reaction of with mulundocandin derivative)

IT 92-54-6, 1-Phenylpiperazine 102-97-6, n-Isopropylbenzylamine 103-49-1, Dibenzylamine 123-75-1, Pyrrolidine, reactions 288-32-4, Imidazole, reactions 626-58-4, 4-Methylpiperidine 1008-91-9, 1-(4-Pyridyl)piperazine 1011-15-0, 1-(2-Fluorophenyl)piperazine 1012-91-5, 1-(2,6-Dimethylphenyl)piperazine 2252-63-3 2759-28-6, 1-Benzylpiperazine 3378-72-1, n-tert-Butylbenzylamine 4897-50-1, 4-Piperidinopiperidine 15532-75-9 20980-22-7 34803-66-2, 1-(2-Pyridyl)piperazine 39512-50-0, 1-(2-Chlorophenyl)piperazine 39593-08-3, 1-(4-Methylphenyl)piperazine 69628-75-7, 1-(1-Phenylethyl)piperazine
RL: RCT (Reactant); RACT (Reactant or reagent)
(Mannich reaction with mulundocandin derivative)

IT 110-89-4, Piperidine, reactions 2365-48-2, Methyl thioglycolate 108351-20-8, Mulundocandin
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of novel cyclohexapeptides based on mulundocandin for use as antifungal agents)

IT 321660-96-2P 321660-97-3P 321661-50-1P 321745-36-2P 321745-66-8P
RL: RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use);

BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent);
USES (Uses)
(preparation of novel cyclohexapeptides based on mulundocandin for use as antifungal agents)

IT **321660-98-4P 321660-99-5P 321661-01-2P**
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321745-70-4P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of novel cyclohexapeptides based on mulundocandin for use as antifungal agents)

IT 108-98-5, Thiophenol, reactions 2038-03-1, 4-(2-Aminoethyl)morpholine
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction with mulundocandin derivative)

IT 321661-58-9
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction; preparation of novel cyclohexapeptides based on mulundocandin for use as antifungal agents)

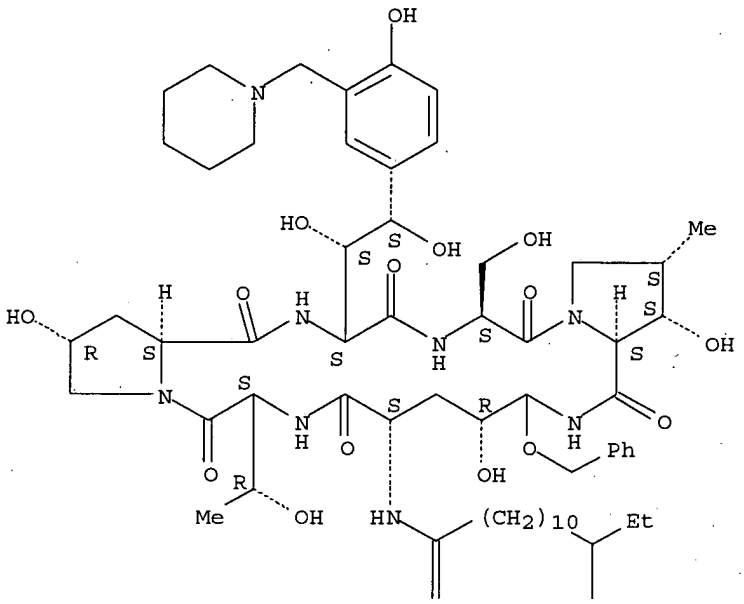
IT **321660-98-4P**
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of novel cyclohexapeptides based on mulundocandin for use as antifungal agents)

RN 321660-98-4 HCAPLUS

CN Mulundocandin, 1-[(4R)-4-hydroxy-N2-(12-methyl-1-oxotetradecyl)-5-(phenylmethoxy)-L-ornithine]-4-[(4S)-4-hydroxy-4-[4-hydroxy-3-(1-piperidinylmethyl)phenyl]-L-threonine]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of novel cyclohexapeptides based on mulundocandin for use as antifungal agents)

L12 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1995:996828 HCAPLUS
DN 124:146869
ED Entered STN: 22 Dec 1995
TI Preparation of cyclopeptide antifungal and anti-pneumocystis compounds.
IN Balkovec, James M.; Bouffard, Frances Aileen; Black, Regina M.
PA Merck and Co., Inc., USA
SO PCT Int. Appl., 81 pp.
CODEN: PIXXD2
DT Patent
LA English

IC ICM C12P-0021/04
CC 34-3 (Amino Acids, Peptides, and Proteins)
Section cross-reference(s): 1, 10
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO---9527074	A1	19951012	1995WO-US03948	19950331
	W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TT, UA, UZ				
	RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
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	AU---9521307	A1	19951023	1995AU-0021307	19950331
PRAI	1994US-0222157	A	19940404		
	1995WO-US03948	W	19950331		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 9527074	ICM	C12P-0021/04
	IPCI	C12P0021-04 [ICM,6]
	IPCR	A61K0038-00 [N,A]; A61K0038-00 [N,C]; C07K0007-00 [I,C]; C07K0007-56 [I,A]
	ECLA	C07K007/56
US---5541160	IPCI	C12P0021-04 [ICM,6]
	IPCR	A61K0038-00 [N,A]; A61K0038-00 [N,C]; C07K0007-00 [I,C]; C07K0007-56 [I,A]
	NCL	514/011.000; 530/317.000
	ECLA	C07K007/56
AU---9521307	IPCI	C12P0021-04 [ICM,6]

OS MARPAT 124:146869
GI

R8 = Applic's → R8

Applic - amending around;

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. [I; R = alkyl, alkenyl, Ph, biphenyl, naphthyl, terphenyl, alkylamino, dialkylamino, alkoxyaryl; R1, R2, R4 = H, OH; R3 = H, OH, O(CH2)nNRVRVI (RV, RVI, RVII = H, alkyl), O(CH2)nNRVRVIRVII+Y-; n = 2-6; Y = counterion; R5 = H, Me, OH; R6 = H, Me; R7 = H, Me, CH2C(:O)NH2, (CH2)2NRVRVI, (CH2)2NRVRVIRVII+Y-; R8 = Cl, Br, iodo, NO2, N3, (CH2)0-4NH2, (CH2)0-4NHalkyl, (CH2)0-4N(alkyl)2, (CH2)0-3CH(:NOH), NHC(:O)(CH2)1-6NH2, NHC(:O)(CH2)1-6NHC(:NH)(CH2)0-3H], were prepared. Thus, title compound (II) (prepared from pneumocandin B0) showed a min. fungicidal concentration of 0.25 μg/mL against Candida albicans MY1055.
ST echinocandin analog prepn antifungal; pneumocandin analog prepn antifungal; cyclopeptide prepn antifungal
IT Pneumocystis
(infection treatment; preparation of cyclopeptide antifungal and anti-pneumocystis compds.)
IT Fungicides and Fungistats
(preparation of cyclopeptide antifungal and anti-pneumocystis compds.)
IT Peptides, preparation
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cyclo-, preparation of cyclopeptide antifungal and anti-pneumocystis compds.)
IT 173305-50-5P 173305-51-6P 173305-52-7P 173305-53-8P 173305-54-9P
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173305-62-9P 173305-64-1P 173305-66-3P 173305-68-5P 173305-70-9P
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173305-76-5P 173305-77-6P 173305-78-7P 173305-79-8P 173305-80-1P

173305-81-2P **173305-82-3P** 173305-83-4P 173397-50-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of cyclopeptide antifungal and anti-pneumocystis compds.)

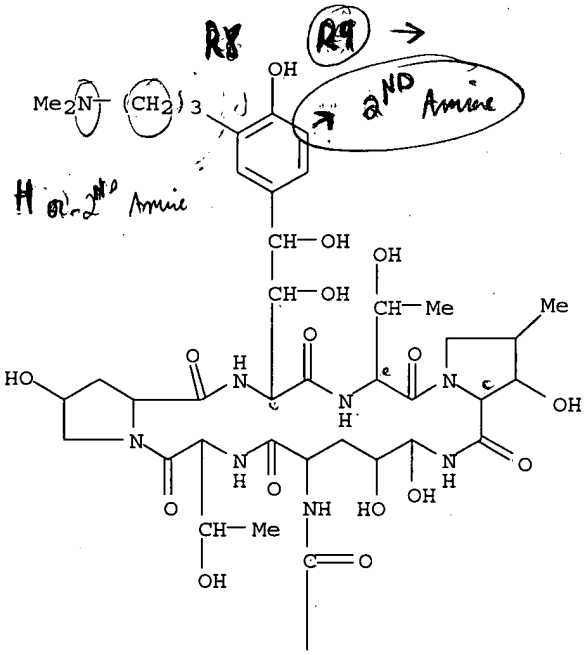
IT 110-53-2, n-Pentyl bromide 619-42-1, Methyl 4-bromobenzoate 2208-07-3, Ethyl acetimidate hydrochloride 5470-11-1, Hydroxylamine hydrochloride 16748-79-1, Z-Gly-OPfp 24850-33-7, Allyltributyltin 29558-77-8, 4-(4-Bromophenyl)phenol 71018-21-8 77987-49-6 79411-15-7 135575-42-7, Pneumocandin B0 138516-82-2 150167-56-9
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of cyclopeptide antifungal and anti-pneumocystis compds.)

IT 63619-51-2P 158937-25-8P 158937-30-5P 158938-08-0P 166663-25-8P 173305-84-5P 173305-85-6P 173305-86-7P 173305-87-8P 173305-88-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of cyclopeptide antifungal and anti-pneumocystis compds.)

IT **173305-82-3P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of cyclopeptide antifungal and anti-pneumocystis compds.)

RN 173305-82-3 HCAPLUS

CN Echinocandin B, 1-[(4R,5R)-4,5-dihydroxy-N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithine]-4-[4-[3-[3-(dimethylamino)propyl]-4-hydroxyphenyl]-(S)-4-hydroxy-L-threonine]- (9CI) (CA INDEX NAME)



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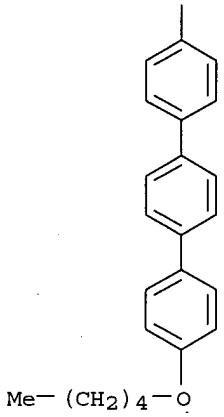
Ref - doesn't teach the limit of Appl.

PAGE 2-A



IT **173305-82-3P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of cyclopeptide antifungal and anti-pneumocystis compds.)

=> b uspatall
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CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 08:27:45 ON 08 MAR 2006
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

=> d bib abs fhitstr hitrn l14 tot

L14 ANSWER 1 OF 1 USPATFULL on STN
AN 96:67980 USPATFULL
TI Antifungal and anti-pneumocystis compounds, compositions containing such compounds, and methods of use
IN Balkovec, James M., North Plainfield, NJ, United States
Bouffard, Frances A., Scotch Plains, NJ, United States
Black, Regina M., Cranford, NJ, United States
PA Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)
PI US---5541160 19960730
AI 1994US-0222157 19940404 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Gibson, Sharon; Assistant Examiner: Scalzo, Catherine S. Kilby
LREP Korsen, Elliott, Daniel, Mark R.
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1240
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Compounds represented by the formula I (SEQ ID NO. 1) are disclosed: ##STR1## as well as pharmaceutically acceptable salts and hydrates thereof. R.sup.I represents C.sub.9 to C.sub.19 alkyl, C.sub.9 to C.sub.19 alkenyl, an aryl group which includes phenyl, biphenyl, naphthyl and terphenyl or a C.sub.1 to C.sub.12 alkyl, alkylamino, dialkylamino or alkoxyaryl group.

R.sup.1, R.sup.2 and R.sup.4 independently represent H or --OH.

R.sup.3 represents H, --OH, --O(CH.sub.2).sub.n NR.sup.V R.sup.VI, where

R.sup.V and R.sup.VI independently represent H or C.sub.1-4 alkyl, or --O(CH.sub.2).sub.n NR.sup.V R.sup.VI R.sup.VII+ Y.sup.-, wherein R.sup.V and R.sup.VI are as defined above, R.sup.VII represents H or C.sub.1-4 alkyl, n is an integer of from 2-6 inclusive, and Y represents a counterion.

R.sup.5 represents H, --CH.sub.3 or --OH;

R.sup.6 represents H or --CH.sub.3 ;

R.sup.7 represents H, --CH.sub.3, --CH.sub.2 C(.dbd.O)NH.sub.2, --(CH.sub.2).sub.2 NR.sup.V R.sup.VI or --(CH.sub.2).sub.2 NR.sup.V R.sup.VI R.sup.VII+ Y.sup.- with n, R.sup.V, R.sup.VI R.sup.VII and Y as defined above;

and R.sup.8 represents --Cl, --Br, --I, --NO.sub.2, --N.sub.3, --(CH.sub.2).sub.0-4 NH.sub.2, --(CH.sub.2).sub.0-4 NH(C.sub.1-4 alkyl), --(CH.sub.2).sub.0-4 N(C.sub.1-4 alkyl).sub.2, --(CH.sub.2).sub.0-3 CH(.dbd.NOH), --NHC(.dbd.O)(CH.sub.2).sub.1-6 NH.sub.2 or --NHC(.dbd.O)(CH.sub.2).sub.1-6 NHC(.dbd.NH)(CH.sub.2).sub.0-3 H.

Pharmaceutical compositions and methods of use are also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

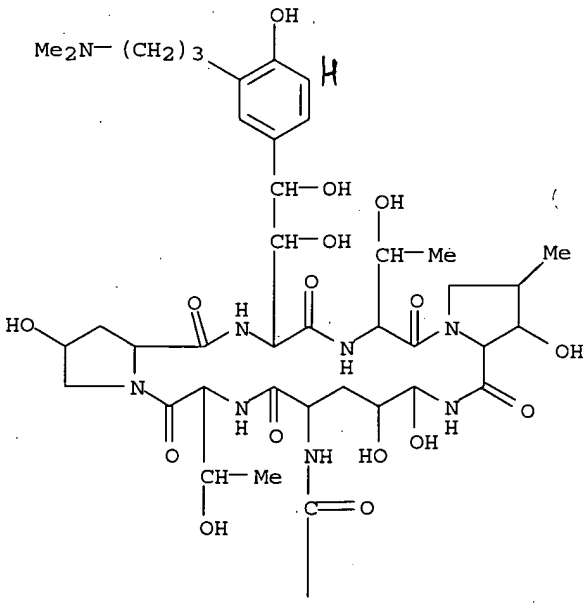
IT **173305-82-3P**

(preparation of cyclopeptide antifungal and anti-pneumocystis compds.)

RN 173305-82-3 USPATFULL

CN Echinocandin B, 1-[(4R,5R)-4,5-dihydroxy-N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithine]-4-[4-[3-[3-(dimethylamino)propyl]-4-hydroxyphenyl]-(S)-4-hydroxy-L-threonine]- (9CI) (CA INDEX NAME)

PAGE 1-A



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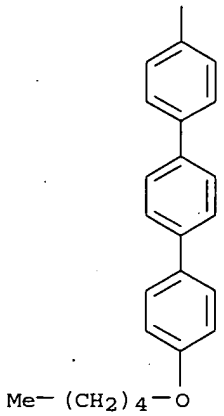

IT 173305-82-3P
(preparation of cyclopeptide antifungal and anti-pneumocystis compds.)

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L2 TRA L1 1- RN : 83 TERMS

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ACT AUD764F1/A

L4 STR
L5 4101 SEA FILE=REGISTRY SSS FUL L4

ACT AUD764F2/Q

L6 STR

L7 STR L6
L8 50 L7 SAM SUB=L5
L9 STR L6
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